

FORM OF SHORT TENDER NOTICE

D2/2738/20/GECTCR

Government Engineering College Thrissur

Sealed tenders are invited for **instruments** for Civil Engineering Department

Approximate cost Rs Rs 4,30,000/-

Specification separately attached

The envelopes containing the tender should bear the superscription "Tender. No. **D2/2738/20-21** **due on 30/11/2020** and should be addressed to the Principal, Government. Engineering. College, Thrissur, Kerala..

Last date for receipt of tenders will be **30/11/2020 2.00 pm** Late tenders will not be accepted. The tenders will be opened at Government Engineering College Thrissur on **30/11/2020 3.00 PM** in the presence of such of the tenderers or their authorized representatives who may be present at that time. Intending tenderers may, on application to the Principal, Govt. Engineering. College, Thrissur, obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of **Rs.1071 + postal charge** (900+18% GST +1% Flood cess)which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at **12 pm on 30/11/2020** Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P.

Tenders should be accompanied by EMD of 1%, subject to a minimum of Rs. 1500/- , of the amount by DD drawn in favour of the Principal, Government.Engineering College, Thrissur with an agreement in Kerala Stamp Paper worth Rs.220/-. Details can be had from the Govt.Engineering College Office working hours.

Place:Thrissur

15.10.2020

Copy to

1. Notice Board
2. Anand Lali Neera ,Civil Engineering

o/c

Dr.Sheeba V S

Principal



Sl.No	Name of instruments	Specifications	No
1	Digital pH meter	Range: pH mode-0.00 to 14.00 pH mv mode:0 to 1999 mv	2
		Resolution pH moe:-0.01 pH mv mode:+/-1 mv	
		Accuracy: 0.01 pH +/- 1 digit mv moe: 1 mv+/-1 digit	
		input impedance:10 ¹² ohms	
		Temperature compensation:0-100 ° C	
		display:3.5 digit LED display with auto polarity an decimal	
		Calibration: Two buffer calibration (manually) 7 pH and 4 pH and 9.2 pH	
		dimensions:205(W)x 130(D)X65(H) mm.All base powder coated cabinet	
		power:230 V, AC +/- 10%, 50 HZ	
		weight: 1.5 Kgs approximately	
2	Hot plate-Rectangular	Environment:5-50 degree centigrade	1
		Accessories:pH electrode stand, rod,clamp and dust cover	
2	Hot plate-Rectangular	SIZE 30x45 CM, RATING: 2 KW,M.S powder coated body ,Hotplate surface is fabricated with thick S.S sheet. temp: regulated by Energy Regulator.Thermostat 50 degree to 300 degree also fitted	1
3	Rotary Shaker With Digital Cyclic Timer	WITH CONTROLLABLE SPEED UP TO 250 RPM. This orbital shaker is equipped with continuous duty PMDC motor 24 V, supplied with DC power pack. Supplied with 30 minutes timer. Speed of shaking can be adjusted from 50 to 250 suitable to work on 220 V AC.	1
		PLATFORM CAPACITY: 12 flasks of 250 ml	
		pLATFORM SIZE: 45X37 CM	
4	Visible Spectrophotometer	wavelength:340-990 nm	1
		absorbance range:0.3-2.500 abs	
		spectral band width : 5 nm	
		wavelength resolution:1 nm	
		wavelength display: 3 digit digital	
		wavelength accuracy: +/- 2 nm	
		photometric resolution: 0.1% T	
		photometric accuracy: +/- 0.005 abs at 1 abs	

		<p> modes: %T, abs, concentration and factor concentration: 0.000 to 9999 with floating decimal point K factor: 0.000 to 9999 with floating decimal point photometric readout: 4 digit LED display 0 and 10 % T setting: manual grating: 600 lines/mm detector: Si-photodiode source: halogen lamp sample holder: 10 mm path length, two positional manual sample changer power: 230V +/- 10%, 50 HZ dimension: 420(W)X310(D)X125(H) mm weight: 6.5 kgs approximately accessories: two glass cuvette single position optional accessories: 20/50 mm cuvette holder (factory installed) </p>	
5	BOD incubator	<p> Double walled construction, outer body made of GI sheet, properly powder coated and inside chamber made of choice of Stainless steel sheet 304 quality. Temp : Range 5°C to 60°C, controlled by digital display temp: Indicator cum controller with built in on delay, Accuracy $\pm 0.5^\circ\text{C}$, an air circulation fan ensures even temp: in the cabinet. Provided with plexi glass door inside, which makes it possible to inspect the specimens without disturbing the temperature. Supplied with adjustable shelves. Equipped with C.F.C free compressor and refrigerant. with 1 K V A stabilizer. size: 56X43X84 cm, Capacity 170 ltr </p>	1
6	Water Bath Rectangular – With Digital Temp. Controller (RING TYPE) Provided with concentric rings on hole dia of 75 m.m. Suitable to work on 220 V AC supply	<p> Double walled construction, outer body made of M.S. sheet, powder coated, inner body made of S.S. 304 quality sheet glass wool insulation, fitted with 300C to 1100 C imported Thermostats. BATH SIZE IN CM: 35X35X12.5; WATTS:1500 NO.OF HOLES 9 </p>	1
7	Electric Bunsen Burner	<p> Electrically operated S.S. Housing, Ceramic crucible for rapid heating. Temp: up to 6000C, models available with or without Energy regulator, watts 300, WITH ENERGY REGULATOR </p>	2

		Model no KDH2	
8	Laminar air flow cabinet (vertical flow)	<p>Air flow in horizontal way (1/5 Hp motor -1440rpm, HEPA filter efficiency -99.99% with cold DOP, 99.97% with hot DOP, velocity 90ft/min +/-20%, noise level less than 65db, vibration 0.00005cm, double filtration of air through, pre filters and HEPA filters. Laminar flow cabinet made of C R sheet. All exterior surfaces duly powder coated and over coated with P.U paint, all the interior portions powder coated and over coated by epoxy or rubber based paint, weather resistant. Stainless Steel table top, front and side of the working table are paneled with 3 mm polycarbonate transparent glass door. Equipped with U.V. Germicidal light, Fluorescent light provided cock for gas / air, pre filter & HEPA filter, static inclined pressure manometer. Cat No. Working Area in cm 120x60x60 Approx. External dimensions . in cm L x W x H in cm Mini pleat HEPA 128 x 76 x 198</p>	1
9	Electric Muffled Furnace	<p>High temperature muffle furnace with Maximum temperature 1150°C Working temperature 1100°C. Smaller size muffle concealed type and bigger size muffle fabricated with grooved refractory, open element type insulated with ceramic wool POWER 2 KW</p> <p>Internal Dimension in cm 12X12X25</p>	1

Shubash
 PRINCIPAL
 GOVT. ENGG. COLLEGE
 THRISSUR.